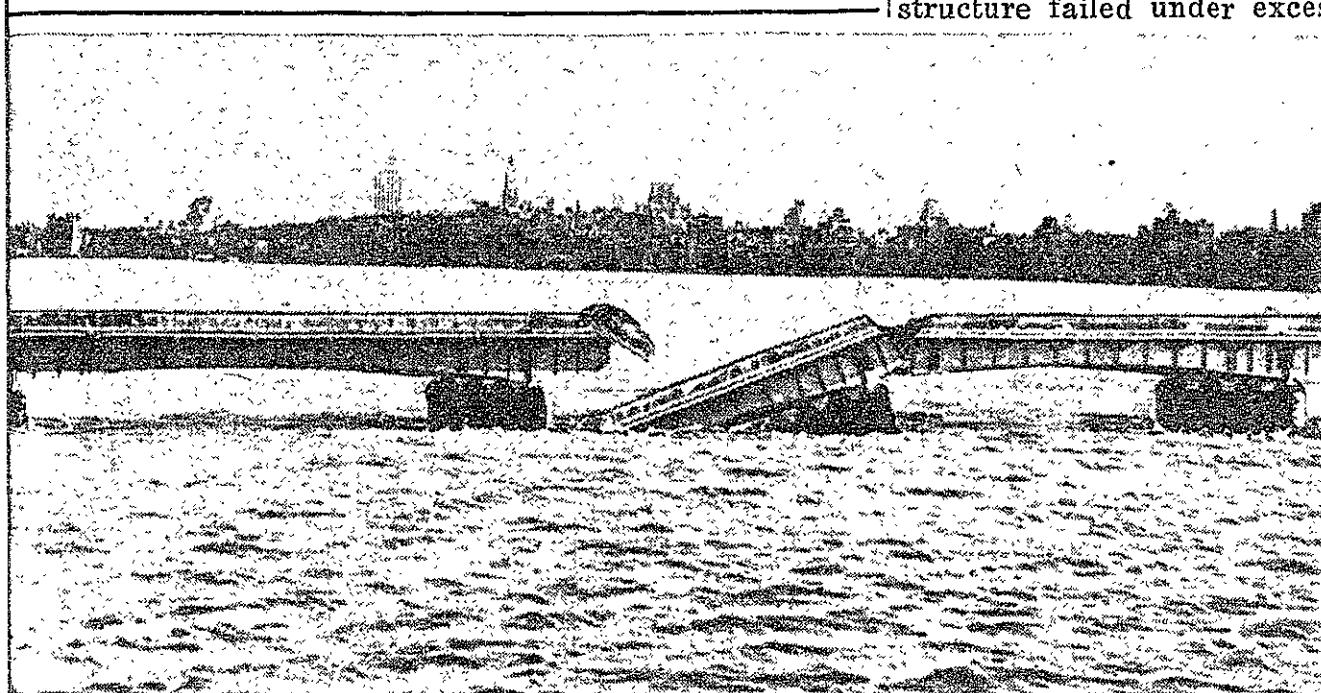


BRIDGE BUSTS; BOLTS BLAMED

FIDO

CAMBRIDGE, MASS., FRIDAY, DECEMBER 2, 1949
(DELAYED)

PRICE TEN CENTS



above picture shows the Harvard Bridge only a few minutes after the unfortunate accident at 8:50 morning. At the time this picture was taken, most of the victims had already been washed down by the rapid current of the Charles. Luckily, Terrence Q. Skinbalm, '51, driver of the automobile shown above narrowly escaped injury by applying the brakes just in time.

Discrepancy In Tech's Name Is Unnoticed But Now Correct

a specially called meeting of Corporation, Wednesday, November 30, Corporation members 14-13 on a motion to change name of Massachusetts Institute of Technology to the Massachusetts Institute of Technology. debate for the motion was contested, and the members voted until early in the morning before the momentous chang-

(Continued on Page 2)

"Open The Door Or Free Love," States Psycher

Locked Door Proves Techmen Are Really Frustrated, He Says

Climaxing a week which has seen at M.I.T. a greater display of unexplained violence than has ever been witnessed in our halls, Dr. Dana

(Continued on Page 6)

In an attempt to ascertain the real cause of the accident, your reporter gained an interview with H. Happenstance Pennypacker, one of the Marismucchi Brothers' assistants. Unfortunately, none of the partners in the construction company are available for comment at this time, since they seem to be out of town. The Marismucchi brothers left rather unexpectedly, according to Pennypacker, and he's not quite sure when they plan to return.

Not Serious

However, Pennypacker was very cooperative in answering your reporter's questions concerning the bridge failure. "The newspapers are taking the whole thing too seriously. The bridge just collapsed, that's all. It could happen to anybody. I admit it's tough for the guys' parents, but they'll laugh about the whole thing a couple of weeks from now. Hell, there were too many students over there at M.I.T. anyhow." Such were Pennypacker's enlightening words.

He went on to explain the exact cause of the accident, "I ain't had much schooling myself, but one of the boys was telling me that it must have been set off by some of them harmony vibrations, and I believe they're right. Like it happened on that bridge out in Tacoma. You know what I mean. On the other hand the rivets may have busted under the load of the morning traffic."

Safety Factor of 1.

Of course, there's been some talk about how the company's used

(Continued on Page 6)

on Schedule

Page 3

OCRACY

Individuals
Dependence
Bureaucracy

"Dictatorships can compete with dictatorships, and virile democracy can outpace any such in the long pull," stated Dr. Vannevar Bush, President of the Carnegie Institution of Washington, at the Convocation held yesterday in Rockwell Cage.

Citing President Truman's conviction that the total income of this country would be increased, and noting that the national deficit is 6 million dollars with a possible addition of 9 millions more, that the socialized British government is failing in some of its program, specifically the production of oil from peanuts, and that Russia now has the atomic bomb, Dr. Bush asked, "How are these items connected, and do they mean anything to you personally? Moreover can you do anything about it?"

Meaning of Items
"There is a connection among the items I have mentioned. They mean much to you, and to all of us. You can do something about it, and if you are as clear-headed as I think you are, you realize not simply that you can, but that you must.

"Russia is a closely controlled dictatorship, a police state, with full ultimate management of the details of the life of every citizen. It can hold, and has held, the standard of living down to a small fraction of ours, denying its people the simple comforts of existence, in order to focus effort on guns and atoms. In the long run a totalitarian state cannot compete with a free people in the advancement of science, for dictation and dogma are contrary to the free spirit of inquiry, which is the heart's blood of scientific advance. It can produce an atomic bomb, and has done so.

Russia's War Machine
"Russia can build fleets of bombers, jet aircraft for defense, radar networks, guided missiles.

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Free tickets for the performance will be available to students only at 12:30 p.m. today in the Information Office.

Sherwood And Linton To Present Technical Paper At AICE National Meeting

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Size Change Effects

Under the general direction of Professor C. F. Taylor of the Mechanical Engineering department, Sloan Laboratory personnel are exploring the effects of size changes in one-cylinder engines, seeking to establish the "laws of similitude" which may be applicable.

Analogy in Hydraulics

Such laws, established in other fields, have permitted designers to

predict the performance of any size ship or airplane from test results on small models. The goal of the current Institute research program is a similar achievement for gasoline engines, whereby a very small or simplified working engine model could be used to study the characteristics of a large motor before it is built.

Performance Predicted

Beginning the study, Sloan Laboratory personnel have built three geometrically similar one-cylinder engines of different sizes. Theory has been backed up by experiments to show how air flow and stresses within these motors may be compared, and other factors such as friction, lubrication, and heat losses are now under study.

The program promises to enable designers to predict with precision the changes in performance of an engine as its size is changed. It will thus provide a quantitative basis for choosing designs for greatest fuel economy, lightest weight, or minimum size.

(Continued on Page 6)

(Continued on Page 4)

Tech's-a-Poppin

(Continued from Page 1)

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well Cage
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Rockwell Cage
Cup by Queen



Techmen Win Four Nobel Prize

Physics, Chem, Biology, Peace Prizes Copped

Special to Fido

Stockholm, October 7—It was announced last night by the Swedish Academy that M.I.T. men had been awarded four out of five of the 1949 Nobel Prize awards.

Prominent members of the Nobel Prize circuit at Caltech, Chicago, and Columbia expressed uniform amazement, while a high administrator at M.I.T. made the following off-the-record statement: "It's about time we won."

Most remarkable achievement among the four prize winners was that of Maxwell H. Boltzmann, a senior in Course VIII, whose recent discovery of the subelectron has astounded the world of physics. "It was really easy," Boltzmann said, "I just lifted up a forkful of Walker hash and there it was." Boltzmann plans spend the \$30,000 prize money in an attempt to bribe his 8:11 instructor into giving him an H.

Water Expert

The prize in chemistry was given to Associate Professor A. L. de Hyde for his brilliant research embodied in his treatise, "On the Hydrolysis of Water." Dr. de Hyde is widely known as the world's leading authority on water, and is currently engaged in attempts to produce dehydrated water.

F. Bergmann Heinz, Visiting Professor at the Institute from the University of Munchausendorfer-glockungingen, walked off with the honors in the field of biology. Dr. Heinz's monumental work entitled "Uber den Unterpflugengang der bereitwara des Geschlechts" was responsible for the award, and it is rumored that his prize money will be spent in trying to persuade someone to translate the three volumes into English. In the meantime, anxious biologists are waiting to find out what Dr. Heinz has been up to. They think it's soup.

Peace Prize

The Nobel Peace Prize was awarded to Captain James Custer Pershing of the Military Science Department. Pershing will be remembered as the hero of the famous Battle of Briggs Field last spring, when he succeeded in averting wholesale slaughter. This feat

(Continued on Page 4)

Landing Strips Fence Walker

M.I.T. Flying Club May Be Responsible

Do you have big feet? Do you need lots of room when you walk? Buildings and Power has solved your problem by building B-29 landing strips in place of the usual sidewalks leading to Walker Memorial. The asphalt walks are so big that due to a foggy night last week, a Tech coed walked around for two hours just trying to get to Pritchett.

It is obvious that the Institute has already received some of the proposed \$20 million, because they are throwing sidewalks around rather easily. First they build a beautiful, strong, reinforced concrete path about 5 feet wide next to the dorms. They were very careful in building the walk, allowing only full Professors to place their footprints in the cement. A smooth, rectangular edging was then built, taking about 20 man-hours.

The comfort of the sidewalk was not lasting. Soon a bulldozer attacked the new path with glee. Horrified residents all but threw Mr. Sheldon on the walk to stop the advance of the infernal mechanical juggernaut, but to no avail. Some thought that Voo Doo had stolen the bulldozer. Others felt that new and more grass was the answer, but all were wrong. The smell and beauty of black tar was the only consolation given to residents that week.

Just why the sidewalks were made so large is a matter of opinion. It is possible that numerous bodies of dead and dying freshmen were buried under the black gunk. It is also possible that the fast working Tech Flying Club used a lobby effect on the Corporation. More conservative members of the student body consider the matter unimportant, since the sidewalk will probably be replaced by cobblestones or a moat in the near future.

Name

(Continued from Page 1)

Old Title Unpronounceable

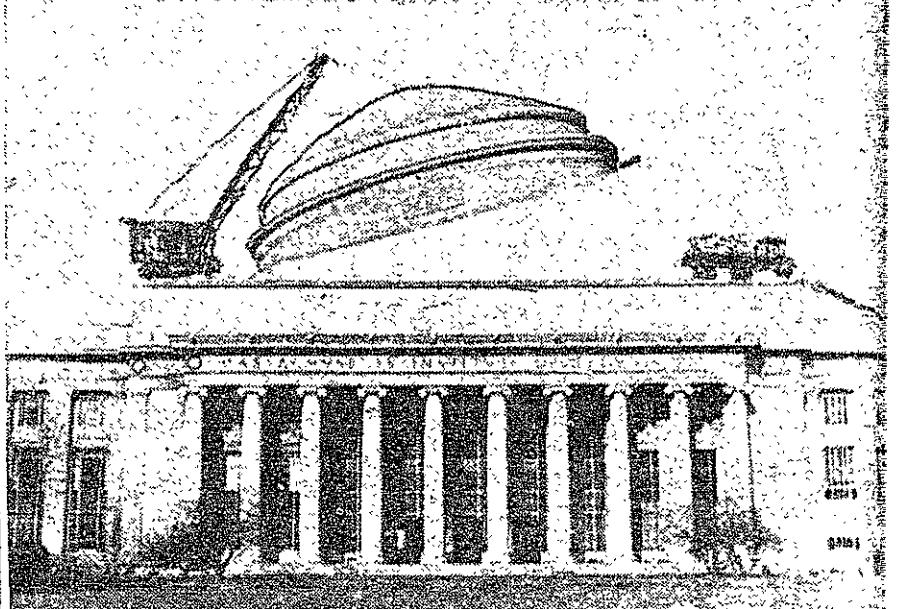
This climaxed a week-long struggle by those members who claimed that the old title was unpronounceable. It was exactly ten days ago today that the motion was brought before the group by Thomas E. Massachusetts, who claimed that it was time for a change. It was

Civil Engineers Confuse Student Body; Central Library Moved By Truck, Cra

Crane Not Authorized

In an unauthorized, typical Techman-like action, the students sneaked a small, 500-ton crane next to the great dome. Unbolted the dome from its base plates in attempt to make life easier, it lifted it bodily from its damp foundations and poured the blocks into a waiting dump truck.

Unexpected trouble occurred when the truck, moving with velocity equal to V plus TS, was just what the truck driver



sweeping new ideas. Knocking down walls, traditions, and secretaries, the ingenious Techmen swiftly threw up a ramp running from the top of Building Ten down through Buildings 4 and 2 into the Library.

This proved very confusing to the freshmen in the Physics Laboratory, Room 4-361, who kept losing their unit masses as they slid down this inclined plane.

Thought by many that personal motives prompted "Big Tom," the well liked Corporation member of Iroquois Indian descent, to present the motion.

Those opposed to the motion claimed that the old name had a great sentimental value, and stated that they could remember the days at Technology when the halls of the dormitories and fraternity houses rang with the glorious words of the alma mater, "Massachusetts Institute of Technology, I love you."

V's Were Once U's

They also stated that the original Constitution made no provisions for

(Continued on Page 8)



Always Buy CHESTERFIELD

They're MILD! They're TOPS!

IN AMERICA'S COLLEGES
WITH THE TOP MEN IN SPORTS
WITH THE HOLLYWOOD STARS

Andrew P. Thrice, III, reported Incapacitated by Drunken Magic Door

The famous Magic Door, long a landmark of Technology and the pride and joy of its student body, went berserk yesterday and severely injured an innocent student. As Andrew P. Thrice III, '50, was leaving the Institute through the electric-eye door, a bottle of beer fell out of his pocket. As the bottle broke, the heavily-shaken brew began

INCAPACITATED



Photo by Homburg

the door to open backward and pinned Thrice against a railing.

He was resting as peacefully as could be expected under the circumstances. Doctors, however, said that he could be permanently incapacitated. It was said that Thrice had

understood this to mean that he

and henceforth be unable to do work, and the doctors hesitated to correct his impression, fearing a relapse.

Members of the Electrical Engineering Department investigating the accident decided that the beer caused the electrical supply and led it to deliver cosine waves instead of sine waves. Exact details were found too difficult to calculate by ordinary means, so it was decided to submit them to students in the next 6.18 examination. If no correct answer came in, professors reasoned, it would be an excellent way of flunking hundreds of students.

Supersonic Storm Lifts Dome, Raises Hell and Eyebrows

All hell broke loose at Technology last night when a hurricane broke through a tiny hole in the supersonic wind tunnel and proceeded to batter the whole campus into an almost unrecognizable condition.

The most disastrous result of the blast was the blowing off of the Central Dome from its moorings and its landing in the Great Court in an inverted position. An enterprising advertising agency has already filled it up with Fleeties, breakfast food of Chumps, and are promoting it as the largest bowl of Fleeties in the world. However, it is not thought that the Institute will tolerate this action.

Finger Bowl

The Athletic Association has put in a strong plea to hold its varsity football game in the Dome next year and rename it the Finger Bowl.

The hurricane had various other effects throughout the Institute. It was first noticed by Professor Fahrenheit MacOlogy, of the astrology Department, who felt that something was approaching when the bottom fell out of the barometer. Something really was approaching when the bottom fell out of the ceiling above him, but he never knew it.

Rough Seas

The hurricane tore through the swimming pool, stranding several swimmers who were unable to combat the pounding of the heavy seas and even forced some of them to get their feet wet. They are recovering in what's left of the infirmary.

The cause of the hole in the tunnel has not yet been determined, but an investigation is being launched by a committee headed by ace criminal investigators, Nose McBloodhound, '07, and Digger McClellan O'Hell. McBloodhound's theory is that an old copy of Voo Doo landed on the outside of the tunnel and was so boring that it

MRS. FIDO

Mr. and Mrs. Fido wish to announce the birth of eight bouncing baby canines. The above picture shows the main reason for the delay in the publication of this issue. However, despite the sad look on Mrs. Fido's face, the Fidos were so elated over their eight children that this issue came out eight pages.

We are not quite sure just why



Photo by Astrachan

Fido picked last week to have puppies, but there are several reasonable answers. One answer is biological and simple. Another possible answer is some kind of arrangement with "Phos". Fido might have had so much pity for VOO DOO's circulation that he produced puppies to save the day.

bored its way right through the heavy metal. McClellan only looked glum and muttered, "There's something rotten in Technology." Several bodies haven't been recovered yet.

Building 7 Gaters To Sordid Stories Of Sexual Snarks

Now showing: Turtles eggs, and gopher incubators in Building 7 lobby. Come and see them any day from 9 to 5. The exhibit, arranged by the Technology Zoological Society, is the first exhibit that smells as well as looks surrealistic. Gopher incubator number six is especially interesting, as it illustrates the process of inverse gopher incubation by twos.

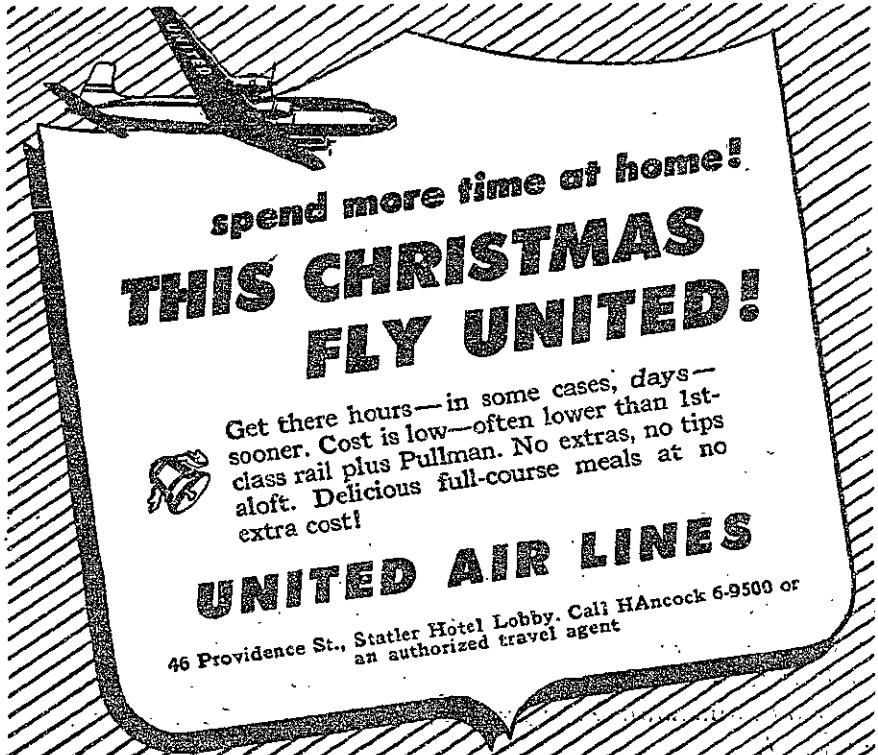
For the discriminating onlooker, the section of the exhibit located near the Dean's office is naturally more subtle, and indicates the process of turtle propagation under water. In fact the whole section is all wet.

Next week, the committee expects to show Techmen the true story of intercourse between subelectrons. The consulting scientists in the division are members of the 8.11 course. All titles of the exhibits will be in German. In addition, the neutrino-meson will be shown in the process of defecation. Any member of the student body will be allowed to closely observe the exhibit, upon payment of a small fee.

Dean Buchardly indicated that Lecture Parallel Committee will cooperate in the program by staging a talk by a leading authority on the subject, Professor Ph. Cleopatra Malon. Beer will be served.

Patronize our displayers; buy turtles, gophers, and subelectrons today.

Twelve inch rules sold by the Coop are 11.998046 inches long.



Tomorrow Evening Excels In Debut

Opening their 1949-1950 basketball season against B.U.'s Terriers at the Armory last Friday night, the Engineers went down to a 57-37 defeat, to disappoint an overflow crowd of 1800 Tech's-A-Poppin fans. The Terriers' height, their better shooting eye, and the Engineers' raggedness combined to down a sluggish Beaver five.

Early in the first period the rout began. Playing more on fight and spirit than on general excellence the Terriers nevertheless began to pull away from the lagging Beavers. A sluggish Tech defense and a frigid offense held the Techmen back and by the end of the first half B.U. led, 29-18.

Beavers Close Gap

At the beginning of the second half, a renewed Engineer squad came onto the floor and pulled to within five points of the leaders at 30-35. Here, however, the drive stalled, and the Terriers began to pull away once more.

During the last 10 minutes it was the lads from B.U. all the way, as the Terriers' effective shooting sparked by Kenny Rickson, shattered the Technology defense completely. The Beavers seemed especially cold from the field, sinking only eleven field goals, their

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The Tech

VOL. LXIX

FRIDAY, DECEMBER 2, 1949

NO. 50

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THE OPEN DOOR POLICY

Dammit, if it's good enough for China, it's good enough for Technology.

PSSF Travelers Investigate
How Submerged Third Lives

By OIL W. EAVES, JR.

Depravia: June 1 to 3

Introduction

We were welcomed at the airport on the outskirts of Schizoid, the capital of Depravia, by the foreign minister, Mr. Andrew Price, who drove us off in his personal buggy drawn by two magnificent horses, to the quarters we were to occupy for the next two days. All transportation in this quaint country is by horse since the state of technology has not reached the level necessary to support automobile factories or even permit the importation of automobiles. We passed through some of the richest farmland we have seen on our entire trip, but since horses and oxen, equivalent to the poor man's car, are comparative luxuries, the land is plowed by the men by hitching their women to the agricultural implements.

Our quarters were located in the Imperial Palace, the only building in the country capable of passing as a hotel since no other structures, with the exception of the railroad station, have running water. We were forced to share the only bathroom with the king, queen, and two princesses who continually embar-

rassed us by shouting "Open the door, Vernon!"

The Economy

Depravia's economy is based on the truffle. They produce a tremendous exportable surplus of truffles and are the only nation in the world who do not have a truffle deficit. Politically they are a benevolent despotocracy; give their truffle crops to the king who has direct control over the Depravia Trading Corporation. The DTC sells the truffles abroad and imports the necessities of life which it distributes to the people. Graft is rife.

Foreign Affairs

The Depravia standard of living is so low that it is the one nation in Europe which has absolutely no qualms about a third world war. As Mr. Price put it to us in quaint Depravian, a fast dying language, "Ich nurkile furnee, il degorpa?" Translated, this means, "Nobody would take us as a gift, so who'd bother to invade?" They strongly advocate the Marshall Plan, and currently have a bid in for \$20,000,000.

(To be continued next Tuesday)

Beaver Burps (Continued from Page 6)

having a good-looking coed cheering you on when you're ready to make your shot."

Also contributing to the squad's success was a revolutionary new method for shooting tiddlywinkers developed through the cooperation of the Mathematics Department of the Institute. The method is based on topological theory, and caught the opposition completely by surprise.

It is understood that the team is planning a trip to the East Indies during next Spring's vacation, to engage the outstanding tiddlywinkers of that region and get in shape for next year's season. The schedule has been completed, and will be approved as soon as the financial arrangements can be made by the A.A.

BOSTON
BE-BOPPER

By "Jelly-Roll" Jasper, Jr.

Well cats there isn't much to shout about this week end. Munch's Mellow-Melodians are giving out with the usual jamboree at the S.H. Munch has got a hot outfit; a little bit on the small side perhaps, only one hundred and six boys. The slapper section is as large as ever, and George Mager, one of the principal lippers, is really on the ball. Of course, with all the fiddles they have the rhythm section doesn't come through as strong as it might.

Preview

Making with the downbeat at this Saturday's session will be that real gone guy, Lenny Bernstein; and from the looks of things it's going to be pretty rough on the tympanic membrane. The entire jam will be devoted to one lick, Messiaen's Turangalila-Symphony with Piano and Ondes Martenot, with no less than ten (you will pardon the expression) movements.

At the S.H. this Sunday afternoon there'll be some thrashing around by Ebe Stignani with Paul Ulanowsky at the ivories. Ebe and Paul were the recent rage down at the New York C.H.

Over at Isabella's Hang House this Sunday Jean Graham will be tinkling the eighty-eights. There is no cover, and the floor show starts at two o'clock.

Review

Down Jordan way last Sunday the Paganini Four cut up with the cat gut. Their big number was the "Death and the Maiden" Quartet by "Sorrowful" Schubert. This Paganini bunch sure sets the house jumping; I hope they drop around again real soon.

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WITH THE TOP MEN IN SPORTS
WITH THE HOLLYWOOD STARS

ore Powerful han A-Bomb', ays Slushpump

Former Janitor Head Develops And Tests New Weapon of War

an exclusive interview with T. Slushpump, head of the atomic Power lab here at Tech, it was learned that the Institute has just developed and tested a new explosive a hundred times more powerful than the A-bomb. The weapon is designated T.S. Bomb, presumably named for its inventor.

Slushpump, former head man of the janitorial department at the Houston Institute of Technology in Dallas, briefly explained the bomb's operation. Cautious, so not to reveal any of the weapon's secrets, Slushpump told your reporter, "The basic principle involved is so simple that Einstein could have seen it. You simply take some ordinary stuff and put it in a container along with some other matter. Then, if everything goes right, the two things will combine to form our T.S. bomb."

Complicated Process
After having a scientific background, your reporter was rather bemused at such a detailed explanation, but perhaps our more intelligent readers will understand. Slushpump went on to relate the bomb's development. "I had the idea for our T.S. bomb from conversation with a freshman who had just broken both legs, lost his girl-friend, and is flunking all his courses. Anyway, the freshman himself got to work on the damn thing right away, and it took us about three weeks to perfect it. But that's a long time to spend on such a project, but I was only able to work during my lunch hours."

6969 Killed
After developing the bomb, we had to have some place to test it. Wanting to endanger the people of the metropolitan area, we decided to detonate the bomb down Rhode Island where there aren't a hundred people to the square mile. We didn't expect to kill over a hundred, but the latest count was that 6969 got it. There was some trouble with the authorities at first but we all agreed to let it be bygones and laugh it off. Incidentally, Rhode Island is the smallest state in the country.

When asked what he planned to do with his invention, Slushpump replied, "We're going to sell it to

Locomotive Moves Physics Equipment; Is Queen Of Dept.

The Physics Department is quite excited over their newest toy, a small but complete twenty ton woodburning locomotive, which has recently been purchased for moving laboratory equipment between the equipment room and 10-250. Dean Scraper, head of the Physics Department, states that the acquiring of the new machine represents the ultimate in smoothness of operation and noiseless performance. In addition the capacity of the engine is much greater than that of a score of harnessed laboratory assistants.

Thanks to the foresight of the Department, the machine was purchased at little expense to the Institute by the recent setting up of a trust fund supplied by capital from the sale of final exams to students.

Changes Made

Minor changes had to be made on the entrance and tracks leading from the equipment room, according to Don Whoooston of Building and Power. Fortunately, however, Massachusetts Penal College No. 6969 loaned several men for the construction job, cutting the cost of the work down to three cases of hacksaw blades and a pound of U235X.

With only a skeleton crew left, the newly trained engineers experienced quite a disturbing time at the grand opening in 10-250. Rounding the curve too fast, the locomotive jumped the tracks and was saved from crashing through the wall only by the action of a quick thinking freshman who stuck out his foot. It was feared at first that he had lost his foot in the accident, but it was later found beneath the body of a man who had been run over.

Dean Scraper expressed a deep sorrow in the unfortunate incident which had marred the launching of his transportation program and ordered the body of the man removed from the tracks.

Physics students are now requested to stop, look, and listen before entering the lecture room.

whoever will pay the highest price. The bomb has absolutely no peace-time use. It's only good for killing people, as they'll tell you down in Rhode Island. (Slushpump laughed lightly at this point.) By God, I'm tired of all this stuff about being loyal to humanity. I need a new suit of clothes and damned if I can buy one on the salary I get around here or even the money I pick up selling magazine subscriptions."

Fraternity Fumbling

Louis Zilch, chapter president of Ro Damit Ro, announced today that his fraternity has arranged to adopt a French war orphan. The waif will arrive in this country in time to celebrate her nineteenth birthday at the Ro Damit Ro house. In reply to our question concerning the girl's age, Zilch replied, "What the hell, an orphan's an orphan, ain't it?"

At its last meeting, the IPC conducted a panel discussion on the subject of Hell Week. The resolutions adopted were:

1. Because of many severe injuries incurred last year, the mass of any paddle shall hereafter not exceed ten kilograms.
2. Materials of which paddles are made shall be limited to the following substances: wood (preferably mahogany or teak), bakelite, leather, and spring steel.
3. Use of methyl blue, castor oil, or other compounds affecting physical processes shall be prohibited.

The Council was commended by the Dean of Students for its intelligent and progressive decisions.

Tappa Keg Goes Mad

An incident at the Tappa Kegga Beer house marred an otherwise gay weekend. After a drinking party, Louis K. Zilch became enraged at the taunts for his fraternity brothers. He ran upstairs, grabbed his roommate's Luger, and went on a killing spree that is unparalleled in this city. Zilch killed six members outright, fatally injured two more, and then escaped out of town with the fraternity house mother, Miss Matressback Bobblebutt.

The IFC, declaring that the fraternity must suffer for this outrageous affair, placed the Tappa



Kegs on social probation for three weeks.

The Grabba Pieca Pi's annual chamber music festival was very well attended last Saturday night. Special plaudits must go to L. Kam-shaft Zilch for his stirring rendition of "Concerto for Three Slipsticks." Tea and pink lemonade were served to the guests after the recital. Regrettably, seven of those attending went blind shortly after the affair. Poor lemonade was blamed for the tragedy.

The Pakka Saks

The same night, the Pakka Sakka Krabs held their "Sex and Hootch" party. The punch, "Liquid Love," contained river water, paving bricks, and turpentine, and was mixed by Social Chairman Zilch. The music festival down the street accounted for the disappointing attendance at the "Sex and Hootch" party.

The Eta Boxa Beers and their dates enjoyed a treasure hunt last weekend. The search for clues caused several hilarious incidents during the hunt. One couple was shot while looking for clues in the Shawmut Bank vault, and two more were arrested while scaling the walls of the Charlesgate Prison. One couple got off on the wrong track and spent two hours looking for clues in the house sleeping porch. L. K. Zilch, who hid the clues, said there were none on that floor. The house was cleverly decorated for the affair. Black crepe was draped on the front of the house; inside, the walls were covered with black velvet and a large bouquet of white lillies stood in the center of the dance floor. Zilch's father, a mortician, donated the decorations.

The Electrical Engineering Department plans to change 6.75 next year. The course, now rated at 9 hours per week will be reduced to 18 hours per week.

A VACATION ON SKIS AT JASPER IN QUEBEC

Free 4,000 foot long electric "Constam" T-Bar Lift (lower terminal 75 feet from lodge) . . . free ski school for guests staying one week or longer, 4 mile downhill run, slopes and trails for beginners or experts. Ideal snow and weather conditions. . . . Big French Canadian Christmas Eve Revelion and a real Old World New Year's Eve party. Rates \$7.25 to \$9.00 per day, American plan. Modern Hotel. Write for folder. Jasper in Quebec, St. Donat, P.Q., Canada. Telephone: St. Donat 57 (Via St. Agathe).

on Schedule

Page 3

OCRACY

Individuals Dependence Bureaucracy

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"Russia is a closely controlled dictatorship, a police state, with full ultimate management of the details of the life of every citizen. It can hold, and has held, the standard of living down to a small fraction of ours, denying its people the simple comforts of existence, in order to focus effort on guns and atoms. In the long run a totalitarian state cannot compete with a free people in the advancement of science, for dictation and dogma are contrary to the free spirit of inquiry, which is the heart's blood of scientific advance. It can produce an atomic bomb, and has done so."

Russia's War Machine
"Russia can build fleets of bombers, jet aircraft for defense, radar networks, guided missiles. (Continued on Page 6)

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And a development of the Institute's aeronautical engineering department, a new engine indicator capable of very accurate and sensitive measurements on pressures inside an operating engine, Dr. Killian reported, is expected to be of great help in efforts to improve engine performance.

Size Change Effects

Under the general direction of Professor C. F. Taylor of the Mechanical Engineering department, Sloan Laboratory personnel are exploring the effects of size changes in one-cylinder engines, seeking to establish the "laws of similitude" which may be applicable.

Analogy in Hydraulics

Such laws, established in other fields, have permitted designers to

predict the performance of any size ship or airplane from test results on small models. The goal of the current Institute research program is a similar achievement for gasoline engines, whereby a very small or simplified working engine model could be used to study the characteristics of a large motor before it is built.

Performance Predicted

Beginning the study, Sloan Laboratory personnel have built three geometrically similar one-cylinder engines of different sizes. Theory has been backed up by experiments to show how air flow and stresses within these motors may be compared, and other factors such as friction, lubrication, and heat losses are now under study.

The program promises to enable designers to predict with precision the changes in performance of an engine as its size is changed. It will thus provide a quantitative basis for choosing designs for greatest fuel economy, lightest weight, or minimum size.

Tech's-a-Poppin

(Continued from Page 1)

men will meet the Crimson of Harvard at the Boston Arena at 7:30 p.m., and the Hexapoppin skit show will follow in Rockwell Cage.

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well Cage
12:00 a.m. Presentation of Hexapoppin—
Rockwell Cage
Cup by Queen



Beaver Burps

By LUSH SADSTORY

We wish to extend our heartiest congratulations to the Institute's most successful athletic team, the tiddleywinks team, for winning the national AAU tiddleywinks championships. A monster rally is planned for tomorrow night in the great court to greet coach Warren Greb and his boys as they return triumphantly from Paducah, where they upset Yokum U. in the finals to win the championship.

The feat of the Tech tiddlers in taking this title is all the more remarkable when one considers all the obstacles they had to overcome. The Beavers were limited in practice time, and, due to the dire financial straits of the A.A., were forced to use tiddles of sub-standard quality in practice. At the tournament they had to contend with several Southern schools, which make no effort to conceal their efforts to round up the best tiddlers in the country by offering them lucrative financial remuneration, and dispensing with all classes during the tiddleywinks season. It was also rumored that Yokum U. attempted to win the final match through the use of illegal tiddles containing jumping beans.

Greb Praises Team Spirit

Coach Greb, in an exclusive interview with *Fido*, attributed the team's phenomenal success to the great spirit shown by the entire squad, from captain and star snipe G. Polez down to the lowliest substitute. Polez, who sprained his left pinky while making a difficult corner shot during the opening game, carried on gamely through the remainder of the season to take high-scoring honors. He was also named the most valuable player in the league, despite the protests of several New York sports-writers.

An important factor in the team's success, according to Greb, was the enthusiastic support of the student body, which turned out in huge droves to cheer the team at its home games, and the corps of coed cheerleaders. R. Bigson, one of the up-and-coming young players, stated, "There's nothing like

(Continued on Page 4)

Library

(Continued from Page 1)

L. Barnsworth, noted psychiatrist, has presented an explanation embodying a basic Freudian significance. "The Locked Door," said Dr. Barnsworth, "is symbolic of the average Techman's deep seated frustration."

Summarizing the many events which have occurred in conjunction with the door's presence, Dr. Barnsworth reviewed the week's events. "On Monday," he stated, "George Fufnick, a freshman, upon being balked in entering the library suddenly gave vent to a ferocious scream, and began to batter his head against the glass panel. (He is still under observation in Hamburg.) That evening thirteen men in masks attempted to drive a model T Ford up the steps, evidently in another attempt to force the door. Luckily, the night watchman foiled the attempt.

Early Trouble

"On Tuesday, the quiet of the li-

brary was distributed promptly at 9:00 a.m. by the sound of falling glass. Thirteen men in long coats and mufflers had succeeded in driving a 1943 Pontiac into the lobby and backing it against the door. The glass was replaced, but the door remained locked. That afternoon, William Bise, a graduate student, was observed staring fixedly at the glass, rooted to the spot. He is still there, despite the attempts of noted tree surgeons.

"On Wednesday, relative quiet prevailed, but Thursday, all hell literally broke loose. The trouble actually started early in the morning when a group of thirteen men, dressed as Indians, drove a 1912 Isenscagger—Bith steam roller over two night watchmen and through the locked door, completely demolishing it. An emergency crew set up a wooden barricade, but the trouble didn't cease. At 9:00 a.m., a number of men with faces blackened with burnt cork

(Continued on Page 8)

Rad-Cliff Upsets Tech Five

Swinging Offense Gets Enthusiastic Repulse

The Fresh Men quintet at Technology was issued a staggering upset last night when the Rad-Cliff Dwellers invaded the cage in Walker Memorial. The game started off with a bang. Shanks Shotwell, the star Tech center, lined up against Miss Tipsy Upton for the tip off. The Cliff Dwellers were anticipating a quick opening play on the toss; the Fresh Men were anticipating a quick opening play on the cliffs. As the ball was tossed up Shanks accidentally struck at the wrong one, and the

visitors gained possession. Dwellers moved down the court sealing the main points of the Hawaiian Offense. Once this attack got into full swing, accompanied by a full-bodied exhibit of passes, the home team was panting and helpless. The former several of the Rad-Cliff play showed undeveloped talent.

Bridge

(Continued from Page 1)

faulty material to save money, and did a rush job in order to have done by election time, but I do take no stock in that. I heard the engineer himself that he had designed it for a safety factor of .1."

Your reporter will keep the readers posted as bodies are recovered at the Charles River locks.

**PROVE
TO YOURSELF**
**NO CIGARETTE
HANGOVER**

when you smoke

**PHILIP
MORRIS!**

In just a few seconds you can prove
PHILIP MORRIS
IS DEFINITELY LESS IRRITATING
than the brand you're now smoking!

1...light up a PHILIP MORRIS

THEN, just take a puff—DON'T INHALE—
and s-l-o-w-l-y let the smoke come through
your nose. Easy, isn't it? And NOW...

2...light up your present brand

Do exactly the same thing—DON'T INHALE—
Notice that bite, that sting? Now you know
why you should be smoking PHILIP MORRIS!**CALL FOR PHILIP MORRIS**

Always **B**uy **CHESTERFIELD**

They're MILD! They're TOPS!

IN AMERICA'S COLLEGES
WITH THE TOP MEN IN SPORTS
WITH THE HOLLYWOOD STARS

Tech Gladiators Triumph; Opposition Mangled

Wiener Strategy, Champ Quarterbacking Secure Bowl Bid

Tech's football team has received word to play in the Electron Bowl on January 2, Head Coach Norbert Wiener disclosed today. When asked whether he thought administration officials would allow the squad to make the trip, Coach Wiener expressed considerable concern. "These boys," he said, waving his arms at the assembled group of thirty goliaths, "have written many pages of 6.75 lab reports to be allowed to make this trip." His bowl bid was the culmination of a long and arduous but extremely successful season for the Gladiators, who finished their season in a record of six wins and no losses, gained at the expense of powerful teams as Radcliffe College, Franklin Technical Institute, Simmons, Wellesley and Lasell College. The only breather in an otherwise rugged schedule came when Tech swamped Harvard University by a score of 9.3 x 0 cos 90°.

Brains Over Brawn
Coach Wiener has stressed science rather than mere bone-crushing on the field, and this policy has apparently paid big dividends. Followers of the team who saw the home game of the season may have noticed that the Harvard players seemed to be rooted to the spot on more than one occasion as Tech backs circled the ends for long gains. This can be credited to the inspired strategy of Coach Wiener.

In the Thursday night preceding game he had the entire surface of Briggs Field covered with sheet metal laid just below the surface of the sod. When this system was connected to an Institute power plant a giant electromagnet was activated which immobilized the Crimson 11 almost completely, due to the metal in their cleats. Tech backs wore tennis shoes and cavorted about, unaffected.

Secret Techniques
A new pass-catching technique developed by end coach Hans Mueller is still in the top-secret stage, using static electricity and magnetism. Attempts to test this technique in the last quarter of the Wellesley game failed when reserve end Don Knophke stupidly forgot it is definitely known that it drains his batteries. A tackling

(Continued on Page 8)

8:30 in Huntington Hall, Room 102.

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(Continued on Page 6)

Tech's hockey team fell prey to a fast-skating Harvard six last Saturday night and lost a 10-5 decision in its opening game. The Engineers were far from disgraced, however, as they played Harvard to a standstill except for a 10-minute lapse in the first period which cost them five goals.

For the first half of the opening period the teams played nearly even. Then the onslaught began as Harvard's Kittredge scored after some nice passing. About half a minute later the Harvard men broke through again, with Timpson scoring.

Five minutes later Preston of Harvard lifted a high fast one through the Tech defense and into the net. Garrity then scored Harvard's fourth goal while the Crimson were short a man, and Timpson's second goal made the period score 5-0.

The Engineers opened the second period with a drive which netted them two quick goals. Dex Whittinghill skated through with the puck and scored the first one unassisted. A few minutes later Paul Grady scored from in front of the goal after some beautiful passing from Chisholm and Lea.

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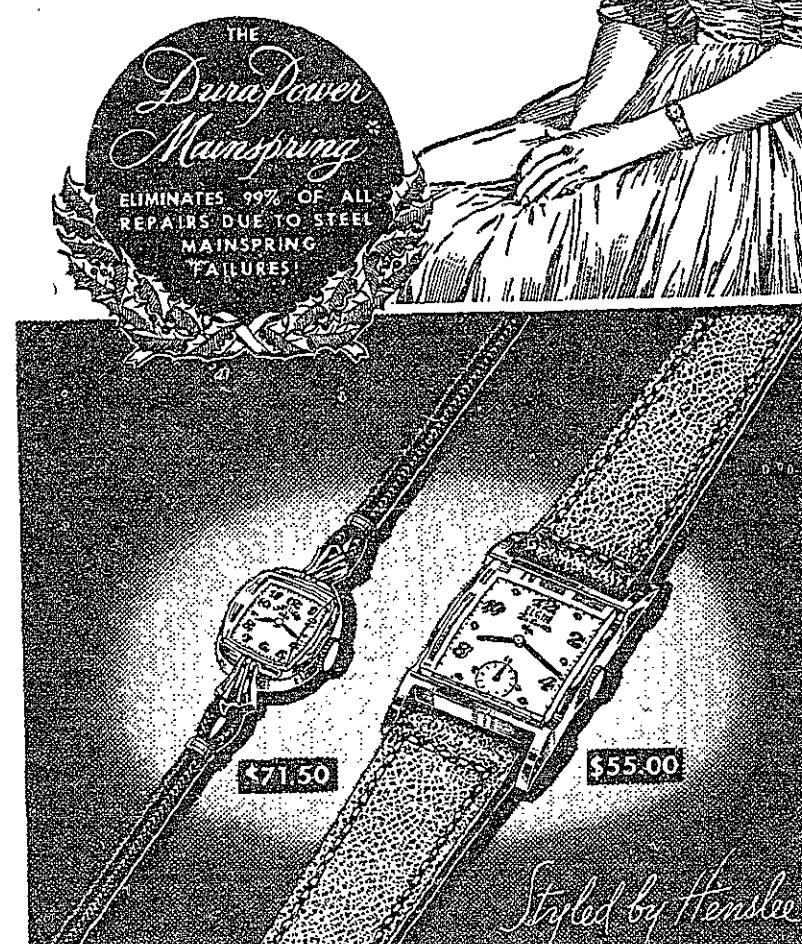
OPEN THE DOOR, VERNON

"What a miracle you hide in a Christmas watch!"

said ELIZABETH TAYLOR
when she learned
of the DuraPower Mainspring
in ELGINS that
are so beautiful they won
the Fashion Academy Award!



Selected by the Fashion Academy of New York as "All-American Best-Dressed Woman" . . . ELIZABETH TAYLOR is co-starred in Metro-Goldwyn-Mayer's "CONSPIRATOR"



Styled by Henlee

*Made of "Elgic" metal. Patent pending

ELGIN
TIMED TO THE STARS!

The genius of America to wear on your wrist

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LIBRARY

(Continued from Page 6)

wrapped a length of primacord around the barricade and blew out the word "Harvard." At 10:00 three Seniors in an MTA bus rammed up against the side of the building in an evident attempt to get at the door.

All Quiet, Until

"Quiet prevailed till mid-afternoon, when the barricade was completely demolished by coed Ima R. Schmaltz (late of '51) who rode a flaming brewery horse into it while singing the Immolation Scene music from "Goetterdammerung." Frenzied dormitory residents preventing the rebuilding of the barricade by rushing back and forth through the door-way and library. Friday and Saturday were merely a repetition of the previous days' events; Sunday was completely quiet, since the library was closed."

"All in all," Dr. Barnsworth continued, "It is obvious that the clos-

Name

(Continued from Page 2)

a change in the name. The pro's quickly countered this by producing the original document of the Con-

stituion in which the V's were not V's but U's! Not only this, but they produced records which showed that the name had remained the same until somewhere around 1916 when the U's were mysteriously replaced by V's. Many speculated that the change was brought about by a mistake of the mad Russian sculptor who carved the name in the limestone blocks over the Building 10 and Building 7 entrances.

Football

(Continued from Page 7)

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Friday, December 2, 1949

Something that is dear to every publisher's heart has happened to THE TECH; we have been banned in Boston. The copy for our annual Fido issue was sent to the printer, as usual, last Wednesday night. On Thursday night the galley was pasted in the dummy, the paper assembled, and the forms locked-up. After a number of copies of the paper had been run off on Friday morning the owner of the printing plant who had just read the first copies ordered the presses stopped and the existing copies destroyed.

Our printer, who has not only a pilgrim father but apparently was brought up by a puritan grandmother, objected to a photograph and its accompanying story, two fake advertisements, and various phrases and sentences throughout the paper. Under the laws of the Commonwealth of Massachusetts the printer, as well as the publisher and author, is criminally liable for any obscene or vulgar matter printed, and in merely giving the page proofs to our make-up personnel, the printer felt that he was taking a legal risk. The paper had to be remade-up on Friday morning omitting the parts to which objection was raised; had this not been done the printer would have washed his hands of the entire issue and there would have been no Fido this term.

We had satisfied ourselves that none of the material that we sent to the printer was unduly vulgar, and, having looked at the page proofs, we still believe that nothing we submitted was more obscene than matter that has appeared in many college publications we have seen, including our own Voo Doo which is also printed in Massachusetts. Be that as it may, the printer, who has had an unfortunate experience under this state's laws, has the last word as to what we may print. In the future we will try to make some sort of bonding arrangement to relieve our printer of financial responsibility for what he prints for us. Meanwhile, you will have to read an expurgated Fido.

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